



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline Part A

School of Health Sciences

Program: Medical Radiography

Option:

**MRAD 3301
Radiographic Procedures 3**

Hours/Week:	5	Total Hours:	35	Term/Level:	3
Lecture:	2	Total Weeks:	7	Credits:	4
Lab:	3				
Other:					

Prerequisites

MRAD 3301 is a Prerequisite for:

Course No.	Course Name	Course No.	Course Name
MRAD 3304			Level 4 Clinical

Course Goals

- To provide students with knowledge of positioning techniques for radiographs of the skull.
- To give students an understanding of the relationships among skull anatomy, beam direction and radiographic anatomy.

Course Description

The lecture instruction of this course will cover positioning of the skull that will radiographically demonstrate the skull. Practical use of landmarks will be taught in order to position the skull correctly and accurately. Lab sessions will reinforce classroom theory. Students will be required to demonstrate competence of skull positioning.

Evaluation

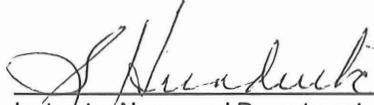
Final Examination	40%	All labs must be satisfactorily completed before a course mark will be given.
Mid Term	25%	
Lab	10%	60% is considered as a pass.
Video	20%	
Junior Evaluation and Feedback	5%	
TOTAL	100%	

Course Outcomes and Sub-Outcomes

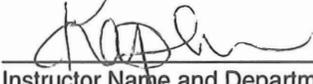
Upon successful completion of this course, the student will be able to:

1. list and locate the surface landmarks, localizing lines and planes of the skull.
2. describe the routine and specialized projections for the various aspects of the skull and be able to differentiate between them.
3. describe and discuss beam direction and centering points for the various views/projections of the skull.
4. demonstrate the ability to correctly position the patient for the required projections/views of the skull.
5. adapt positioning to accommodate patient limitations
6. integrate patient care, communication and organizational skills when positioning for skull views.
7. plan, produce and evaluate a videotape that demonstrates the ability to correctly and efficiently position a patient for skull views utilizing good patient care techniques.
8. evaluate and critique skull positioning, patient care and communication skills on videotape to assess preparedness, for the clinical area.
9. evaluate a junior student's video and provide appropriate feedback.

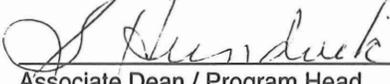
Course Record

Developed by: 
Instructor Name and Department (signature)

Date: _____

Revised by: 
Instructor Name and Department (signature)

Date: Dec 1995

Approved by: 
Associate Dean / Program Head (signature)

Start Date: Jan 1996



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline Part B

School of Health Sciences

Program: Medical Radiography

Option:

MRAD 3301

Radiographic Procedures 3

Effective Date

January, 1997

Instructor(s)

Dori Kaplun

Office No.: SW1-4084

Phone: Local 5750

Home 980-8173

Office Hrs.: Tuesday, Wednesday and Thursday

Text(s) and Equipment

Required:

1. "Merrill's Atlas of Radiographic Positions and Radiologic Procedures" — 7th Edition — Volume 2.
2. Medical Radiography Positioning/Laboratory Manual —Level 3.
3. "Curriculum Guide — Medical Radiographic Technology" published by the Canadian Association of Medical Radiation Technologists.

Recommended:

1. "Textbook of Radiographic Positioning and Anatomy" — Bontrager and Anthony.
2. "Radiography of the Skull and Brain" — DuPont.

Course Notes (Policies and Procedures)

Assignment Details

As posted in course notes.



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

School of Health Sciences

Program: Medical Radiography

Option:

Schedule

MRAD 3301

Radiographic Procedures 3

SETS	MRAD 3301 POSITIONING LECTURES	SETS
A/C	MRAD 3301 POSITIONING LABS	B/D
Date	TOPIC	Date
Jan. 7	Skull Landmarks, Classifications and Lines	Jan. 21
Jan. 9	Frontooccipital, Frontooccipital 30°, Lateral	Jan. 23
Jan. 6/10	Radiography of Dry Bones, Importance of Centering and Safelight Tests	Jan. 20/24
Jan. 14	Occipitofrontal 0°, Occipitofrontal 15°, Submentovertical, Frontooccipital 15°, Occipitofrontal 30°	Jan. 28
Jan. 16	Sinuses	Jan. 30
Jan. 13/17	Positioning: Frontooccipital, Frontooccipital 30°, Lateral Radiography: Petrous Scenario	Jan. 27/31
Feb. 4	Facial Bones, Review	Feb. 18
Feb. 6	Mid Term	Feb. 20
Feb. 3/7	Positioning: Occipitofrontal, Occipitofrontal 15°, Submentovertical, Occipitofrontal 30°, Frontooccipital 15° Radiography: Scenario	Feb. 17/21
Feb. 11	Mandible	Feb. 25
Feb. 13	Temporomandibular Joints	Feb. 27
Feb. 10/14	Positioning Sinuses Radiography: Sinus Scenario	Feb. 24/28
Mar. 4	Zygomatic Arches	Mar. 18
Mar. 6	Nasal Bones	Mar. 20
Mar. 3/7	Positioning: Mandible, TMJs Radiography: Mandible Scenario and TMJs	Mar. 17/21
Apr. 1	Orbits, Sella	Mar. 25

SETS	MRAD 3301 POSITIONING LECTURES	SETS
A/C	MRAD 3301 POSITIONING LABS	B/D
Apr. 3	Temporal Bone — Mastoids	Mar. 27
Apr. 4	Sets B/C Positioning: Zygomatic Arches, Nasal Bones Radiography: Surprise Scenario Good Friday, March 28 (Set D) // Easter Monday, March 31 (Set A)	Mar. 24
Apr. 8	Temporal Bone — IACs	Apr. 15
Apr. 10	Review	Apr. 17
Apr. 11	Sets A/D Positioning: Zygomatic Arches, Nasal Bones Radiography: Surprise Scenario	Apr. 18
Apr. 7	Sets B/C Review Scenarios/Tutorial	Apr. 14
	Spring Break — March 10 – 14 Exam Week — April 21 – 25	